

11518 - 11566

11641 - 11704 ✓

*Handwritten:* 11518-11704  
**ELMO**

80 SHEETS - 3-IN. x 5 IN. • No. L-1

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Arthur Cronquist

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Scientific data,

of no commercial value

11518 - 2 June, 1976

Moffat Co., Colorado.

With sagebrush on  
sandstone substrate on  
the Yampa Plateau,  
shortly northeast of  
Stuntz Reservoir, less than  
~~several~~  $\frac{1}{2}$  km. from the  
Utah border.

Twp. 6 N., R. 104 W., S. 35.

Elev. ca. 7300m. Petals  
white. Stamens 10.

Styles 5.

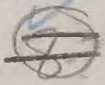
*Cerastium arvense* L.

*Cerastium* (10) V.602

1518 - 2 June, 1976.  
Hinton Co., Utah.  
Barren, northeast-facing  
clay slope <sup>Snake John Reef,</sup> beneath a shaly  
sandstone reef in the  
desert ca 6 km. ~~northeast~~  
northwest of Dinorath,  
Colorado, and shortly west  
of the Utah Colorado state  
line. Twp. 6S., R. 25E., S. 26.

Elev. ca 1700 m.  
Flowers bright light  
yellow.

*Eriogonum ovalifolium* Nutt.  
var. *ovalifolium* ✓

*Eriogonum*  (9)

11520. 2 June, 1976  
 Uintah Co., Utah.

Sandy clay flats in  
 the desert with *Sarco-*  
*latum* and *Artemisia*, ca. 25  
~~30~~ km. airline north of  
 Bonanza. Twp. 7 S., R. 24 E.,  
 S. 1. Elev. ca. 1600 m.  
 Flowers yellow.

*Mentzelia albicaulis* ✓  
 Dougl. ex Hook.

*Mentzelia* (10)



11521 - 2 June, 1976.  
Uintah Co., Utah. With  
scattered pinipers on  
barren red clay knolls  
ca. 25 km. airline north  
of Bonanza. Twp. 7S., R. 24E.,  
S. 1. Elev. ca. 1600 m.

Stems numerous,  
clustered on a taproot  
and branching caudex.

*Astragalus saurinus*  
Barneby  
det. R. C. Barneby

*Astragalus* (10)

11522 - 2 June, 1976.

Uintah Co., Utah.

Same place as 11521.

Flowers yellow.




*Cryptantha flava* (A. Nels.)

Payson

yellow *Cryptantha* ①


11523. 3 June, 1976  
Uintah Co., Utah.  
North-facing sagebrush  
slopes just south of  
the saddle at the south  
end of Limestone Mt.,  
ca. 30 km. airline  
north-northeast of Vernal.  
Twp. 4 N., R. 22 E., ca. S. 20.  
Elev. ca. 2400 m. Stems  
solitary, or sometimes 2-3,  
on a thickened root.  
Flowers blue.



*Mertensia fusiformis*  
Greene

*Mertensia*

(10)



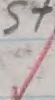


11524 - 3 June, 1976.

Uintah Co., Utah. With  
~~sage~~ sagebrush in the saddle  
at the south end of  
Jonestone Mt., - - as in 11523.  
Flowers yellow.

*Viola nuttallii* Pursh  
var. *vallicola* (A. Nels.)

St. John



*Viola vallicola* (7)

11525 - 3 June  
1976, Uintah Co., Utah

Same place as 11523.

Plants forming rather  
loose mats, with short,  
suberect flowering branches.  
Flowers relatively large,  
white to sometimes pink.

Growing with #11526,  
*P. hoodii* var. *canescens* (T. & G.) M. E.

<sup>evidently</sup> ~~apparently~~ hybridizing  
with it, but on the average  
flowering later, just now  
coming into full bloom.

*Phlox multiflora* A. Nels.

*Dasiphora* (10)

11526 - 3 June, 1976.

Uintah Co., Utah

Same place as 11523. Plants  
pulvinate caespitose.

Flamers white to pink.

Growing with # 11525,

*P. multiflora* A. Nels.

and <sup>evidently</sup> ~~apparently~~ hybridizing  
with it, but certainly was  
flowering earlier, now  
mostly past. mature.

*Phlox hoodii* Richardson

var. *canescens* (T. & G.) M. E. Beck

small phlox (H)

11521-3 June 1976.  
Uinta Co., Utah.  
Same place as 11523.  
Leaves glaucous.

*Cymopterus longipes* S. Wats.

~~Juniper~~  
*Cymopterus* D

11528-3 June, 1976  
Utah Co, Utah.  
With scattered junipers  
on Snake John Reef,  
a shaly sandstone reef  
in the desert ca 6 km.  
in line northwest of  
Dinosaur, Colorado,  
and shortly west of the  
Utah-Colorado state line.  
Twp. 6S., R. 35 E., S. 26.

Pl. ca. 17 cm. Stems clus-  
tered on a woody base.  
Leaves glaucous. Flowers  
bright yellow.

*Stanleya pinnata* (Pursh) Britton  
var. *integrifolia* Lam. Fernald

*Stanleya* (10) 21



11529 - 1 June 1956

~~★~~ Duchesne Co., Utah.

Pinon-juniper wood-  
land along the crest of  
the ridge ca 2 km. west  
of the head of Wells Draw  
and ca 50 km. airline  
south southwest of  
Roosevelt. Twp. 11S.,  
R. 15E., S. 5. Elev. ca.  
2200 m. Flowers at first  
dull whitish, becoming  
more pinkish in age.

*Chamaechaenactis scaposa*  
(Eastw.) Rydb.

*Chamaechaenactis* (10) 7

11530 - 4 June, 1976.

Duchesne Co., Utah.

Same place as 11529.

Flowers white with  
a yellow eye, narrow  
erectly prostrate.

Nutlets deeply tuberculate-  
rugose-reticulate on both  
sides; scar elongate slightly  
constricted near or below  
the middle, and with an  
evident raised border.

*Cryptantha glauca*  
(A. Nels.) Payson

*Cryptantha* (6)

11531 - 4 June, 1936.  
Duchesne Co., Uta C.

Same place as 11529.

Growing with #  
11530, *C. flavoculata*  
(A. Nels.) Payson. but

distinctly smaller  
both vegetatively and  
florally.

Nutlets nearly or fully as long  
as the style, evidently  
tuberculate-rugose on both  
sides, with a narrowly open  
scar, not constricted.

*Cryptantha humilis* (Gray)

var. *nana* (Eastw.)

Payson

*Invar. Cryptantha*

(10)

(8)

11532 - 4 June, 1976.

Duchesne Co. Utah.

Same place as 11529.

Flowers lavender.

*Astragalus pubentissimus*

T. & G.

det. R. C. Barneby

Fuzzy Astragalus (10)

11533 - 4 June, 1936.

Same place as 11529.

Flowers bright  
pink-purple, the  
banner with a  
central paler spot.

*Astragalus detritalis*

M. E. Jones

det. R. C. Barneby

*tiny astragalus* (11)



11534 - 4 June, 1976.

Same place as 11529.

Plants slightly  
erect. Flowers  
white.

*Gilia congesta* Hook.  
var. *congesta*

*Gilia* (10)

11535 4 June 1976  
Duchesne Co., Utah.  
Same place as 11539.  
Flowers pink-purple

*Astragalus mollissimus*

Torr.

var. *thompsoniae* (S. Wats.)

Barneby

det. R. C. Barneby

*Astragalus mollissimus* Torr. (3)

11536 - 5 June, 1976  
Duchesne Co., Utah

Same place as 11529.  
Plants apparently  
biennial, mildly  
mephitic. Flowers  
~~scarlet~~, rarely  
achroleucous.

*Gilia aggregata*  
(Pursh) Spreng.

*Gilia aggregata* (5) 1295

11537 5 June 1976  
Duchesne Co., Utah  
~~Sand~~ With sagebrush  
on sandy clay flats  
beneath sandy shale  
outcrops along Gate  
Canyon ca 50+ km.  
South-southwest of  
Roosevelt, Twp. 11S.,  
R. 15E., S. 16-17.  
Elev. ca 2000 m.  
Flowers yellow.

*Calylophus lavandulaefolius*  
(T. & G.) Raven

yellow Anthers

10

11538 - 5 June, 1976.

Duchesne Co., Utah.

Same place as 11537.

Bracts scarlet.

✓  
✓  
Castilleja scabrida  
Eastw.

det. Noel H. Holmgren

Castilleja

(4)



11539 - 5 June, 1976

Beckham Co., Utah  
Sandy clay slopes  
and flats with juniper  
and sagebrush below  
sandy shale <sup>(Bad Lands Cliffs)</sup>  
along Gate Canyon,  
50+ km. airline south-  
southwest of Roosevelt.

Twp. 11 S., R. 15 E., S. 16-17.  
Elev. 2000 m. Plants  
forming dense to loose  
mats or mounds.

Rays 5, white. Disk  
pale whitish

*Parthenium ligulatum*

(M.E. Jones) Barneby

*Parthenium alpinum* aff.

11540. 5 June 1976  
Duchesne Co., Utah.

Sandy clay slopes below  
<sup>above the head of Franks Canyon</sup>  
sandy shale outcrops  
in Artemisia - <sup>(Bad Lands Cliffs)</sup> Larrea  
- Atriplex desert ca  
50+ <sup>airline</sup> km. south of  
Roosevelt. Twp. 11S,  
R. 16E S. 19<sup>20</sup>. Elev.  
ca. 2100 m. Rays ~~white~~  
(24) 29-52, white to faintly  
lavender.

Erigeron pulcherrimus Heller  
var. pulcherrimus, passing to  
var. wyomingia (Rydb.) Cronq

Erigeron pulcherrimus (10)

11541 - 5 June, 1976.

Duchenne County, Wash.

~~Gravelly clay slopes~~

~~below the Bad Lands~~

~~Cliffs, ca 50+ km <sup>airline</sup> south~~  
~~of Roosevelt, Twp. 11S,~~

~~with Artemisia~~

~~groves, same or~~

~~slopes~~

below Bad Lands Cliffs

head of Bull Canyon,

ca 50 km, <sup>airline</sup> south

of Roosevelt, Twp. 11S.,

R 17E, S 20. Elev ca. 1700

m. Stems clustered on a

taproot and branching caudex.

Corolla white, with white or

sal yellow <sup>subnate</sup> fornicea, nutlets

nearly smooth dorsally and ventrally,  
only slightly roughened.

Cryptantha

(10)

Cryptantha

grahamii

I.M. Johnston

11542. 5 June. 1932

Cochise Co., Utah.  
Same place as 11541.  
~~Fls~~ Leaves glaucous.  
Flowers yellow.

*Linum subterreum* (Trelease)  
Winkler

Finer  $\Rightarrow$  (10)

11543 - 6 June, 1976  
Duchesne Co., Utah.  
Gravelly flat at the  
forks of French Canyon,  
ca 50+ km. airline south  
of Roosevelt Twp. 11 S.,  
R. 16 E., S. 27. Elev. ca.  
1700 m. Flowers clustered  
on a taproot. Wings and  
~~leaves~~ leaves ochraceous  
the leaf underside purple.

*Astragalus racemosus*

Pursh

var. *treleasei* C. L. Porter

det. R. C. Barneby

*Astragalus* (9)

1359



1544 - L June, 1976

Duchesne Co., Utah.

Gravelly, sandy clay  
slopes and benches  
below shaly Badlands  
Cliffs north of  
Nine-mile Canyon,  
and ca. 50 km. airline  
south of Roosevelt.

~~E~~ Twp. 11 S., R. 17 E. S 27.

Elev. ca. 1650 m. Stems

~~are~~ tufted on a stout taproot  
and branching caudex.

Leaves rather light yellow.

*Hymenopappus filifolius* Hook  
var. *megacephalus* Turner

*Hymenopappus* f.

(10)

~~11544~~ 11545 6 June,  
1976. Duchesne Co., Calif.  
Same place as 11544.

Plants apparently creep-  
ing by slender lateral  
roots. Herbage glaucous.  
Heads yellow. Rays mostly 8,  
relatively large and showy,  
mostly 12-22 mm. long  
~~and~~ and (7) 10-16 mm  
wide.

*Thelesperma subnudum*  
A. Gray var. *subnudum*

*Thelesperma*

(10)

11546 6 June, 1976

Duchesne Co., Utah

Same place as 11544

Forming dense mats or  
mounds from ~~about~~  
a stout taproot and  
branching caudex.

Perianth white or  
slightly pinkish.

*Eriogonum shockleyi* S. Wats.

var. *longilobum* (M. E. Jones) Reveal

*Eriogonum* (7)

11547 - 6 Jan, 1976.  
Duckhorn Co., Utah.  
Same place as 11544

Euphorbia fendleri T. & G.

Euphorbia (2)

11548 - 6 June 1976.

Duchesne Co, Utah.  
Same place as 11544.  
Stems clustered on a  
stout taproot and  
branching caudex.  
Heads discoid, yellow.

*Machaeranthera grindelioides*  
(Nutt.) Shinn.

*Mach. Grindelioides* (3)

11549 - 6 June, 1976

Carbon Co., Utah. Red  
clay slopes with scattered  
pinyon, juniper,  
and sagebrush,  
just southwest of the  
summit between  
Soldier Creek and Mine  
Mule Creek, overlooking  
Whitmore Park, ca 27 km,  
baseline northeast of  
Wellington. Twp. 12 S.,

R. 12 E., S. 27. Elev. ca.  
2200 m. Flowers white,  
with light yellow centers.

Nutlets strongly rugose-tuberculate on both  
sides, or more tuberculate-muricate  
ventrally; scar with a high border, slightly  
constricted above the middle.

*Cryptantha* (10) *Cryptantha*  
*mensana*  
(M. E. Jones)  
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11550- 6 June 1976

Carbon Co., Utah.

East-facing bunchgrass  
slope overlooking  
~~the~~ Soldier Creek, in  
Whitmore Park, ca 27 26  
km. airline northeast  
of Wellington. Twp 12 S.  
R. 12 E., S. 33. Elev.  
ca. 2150 m. Bracts  
yellow through gold to  
orange-redsish.

*Castilleja Flava* S. Wats.

det Noel H Holmgren

*Castilleja*

(10)



11551 - 7 June, 1976  
Emery Co., Utah. Shale  
~~and~~ sandstone slope at  
the corner 2d & 7th  
Payson - Panguitch hwy,  
ca 5 km. airline southeast  
of Hatch. Twp. 21 S. R. 7 E.  
Elev. ca 1350 m.

Flowers yellow.  
Nutlet smooth and  
shining, only one  
maturing

*Cryptantha Flava* (A. Nels.)  
Payson

Yellow *Cryptantha* (10)

11552 - 7 June, 1976.  
Emery Co., Utah,  
Same place as 11551.

Plants with a strong  
taproot, forming  
dense cushion-mounds  
1-3 dm. wide.

Flowers white.

*Arenaria hookeri* Nutt.  
var. *desertorum* Maguire

*Arenaria hookeri* (4)

11553 - 7 June, 1976

Emery Co., Utah.

Barren, gravelly clay  
~~slopes shortly south of~~  
~~the Coal Bluffs, and~~  
ca 8-10 km. airline  
southeast of Hearn.

Twp. 21 S, R. 7 E., S. 35-36

Elev. ca. 1800 m.

Rays 25-43, white or  
faintly lavender

~~between Coal Bluffs and~~  
~~Molon Reef~~

*Erigeron pulcherrimus* Haller  
var. *pulcherrimus* ✓

*Erigeron pulch* n.p. (4)

11554 - 7 June 1976

Erving Co. Utah. Barren  
shaly clay slopes <sup>and flats</sup> with  
scattered *Cercocarpus*, *Ephedra*,  
and *Atriplex*, just northwest  
of South Salt Wash, ca 90  
km. airline southwest of  
~~Moore~~ Moore. Twp 22S, R. 8E,  
S. 2. Elev. ca 1800m.  
Rays 8(-10) yellow.  
Disk yellow, a little  
darker than the rays  
(more golden)

*Gaillardia spathulata* A. Gray

*G. spathulata*

(5)

11555 7 June, 1976  
Senier Co., Utah

Along a north-facing  
road at the east foot of  
the mountains, ca 19 km.

South-southeast of Emery.  
Twp 23S., R. 5E, near  
the corner of sections  
27, 28, 33, and 34. Elev.  
ca. 1950 m. Colonial  
shrubs mostly 2-3 m. tall.

*Salix exigua* Nutt.  
var. *stenophylla* (Rydb.) Schrad.

*Salix exigua* (9)

11556 7 June 1976

Senier Co, Utah.

Gravelly flats along  
a north-trending wash,  
well above the gully-bottom.

----- same 11555.

Corolla white with  
yellow fornicee

Whitlets strongly rugose-  
tuberculate-reticulate  
on both sides. Scar with  
an elevated border,  
slightly constricted  
below the middle.

*Cryptantha flavoculata*  
(A. Nels.) Payson

*Cryptantha*

(6)

11557- 8 June, 1976

Sevier Co., Utah. A weed  
in a broad, low dry meadow  
like draw ca 23 km. airline  
southwest of Emery.

Twp. 24S., R. 5E., S. 6 or 7  
Elev. ca. 2100 m.

Flowers lavender-pink.

*Malcomia africana* R. Br.

*Malcomia* (10) ✓



11558 6 June 1976  
Sevier Co., Utah. Open  
pinon-juniper slopes on both  
~~same places~~ sandstone and  
volcanic boulder substrate.  
Plants ~~prostrate~~ from  
very small plants on  
the ground. Flowers  
white, ~~very faintly~~  
~~lavender~~, almost white;  
keel ~~deep~~ purple

ca 23 km. airline southwest  
of Emery, Twp. 24S, R. 5E, S. 6E  
Elev. ca. 2100 m. Stems clustered  
on a point, curved-ascending.

Flowers pink-purple.  
*Astragalus lentiginosus* Dougl.  
var. *araneosus* (Sheld.) Barneby  
det R.C. Barneby

*Astragalus* (10)

11559 - 8 June, 1976  
Sevier Co., Utah.

Same place as 11557  
Flowers yellow.

Pappus bright white,  
2 of the bristles  
stronger and more  
persistent than the others.

*Malacothrix torreyi* A. Gray

✓

✓

*Malacothrix* (4)

11560 - 8 June, 1976

Sevier Co, Utah. In  
open piñon-juniper  
woodland on a south-  
facing slope strewn  
with volcanic boulders  
ca. 23 km. airline south-  
west of Emery. Twp. 24  
S, R. 5E., S. 6, Elev. ca. 2100  
m. <sup>Fort</sup> Plants becoming  
colonial by slender,  
elongate creeping roots.  
Flowers red-orange.

*Sphaeralcea coccinea* (Pursh)  
Rydb.

var. *dissecta* (Nutt.) Kearney

*Sphaeralcea coccinea* (10)

11561 - 8 June 1976  
Garfield Co., Utah. Just  
below the edge of the  
piñon-juniper ~~wood~~  
woodland, on mixed  
shaly sandstone ~~and~~ and  
volcanic boulder substrate,  
along a broad, shallow  
draw ca. 23 km. south-  
west of Emery, Twp. 24S.,  
R 5E., S. 6 or 7.

*Lesquerella intermedia*  
(S. Wats.) Heller

*Lesquerella* ⑦

11562 - 8 June, 1976

Sevier Co., Utah. ~~Along~~

~~Just below~~ <sup>lower</sup> on  
the fringe of the pinon-  
juniper ~~scrubland~~  
woodland - as in 11561

Flowers lavender.

Plants just beginning  
to bloom.

*Penstemon jamesii* Benth.

subsp. *ophianthus* (Pennell) Keck

det. Noel H. Holmgren ✓

*Penstemon* ①

11563 - 8 June 1976  
Sanic. Co. Utah  
Sampled as 1st.

Plants ~~forming~~ prostrate, forming small mats on the surface of the ground; Banner white; wings faintly lavender, almost white; ~~keel~~ keel blue-purple.

Astragalus castaneiformis ✓  
S. Wats.

var. consobrinus Barneby  
det. R.C. Barneby

Astragalus ①

11564 - 8 June, 1976.

Garfield Co., Utah. In  
pinon-juniper woodland  
on shaly sandstone  
slopes and ledges along  
a road, low down ca.  
23 km. airline south-  
west of Quarry, Trip.

245..R. 52..S. 6 or 7.

Elev. ca 2100 m

Heads yellow. Rays 5-10,  
most commonly 8.

*Senecio multilobatus* T. & G.

*Senecio multilobatus* (6)



~~11564~~ 11565. 8 June 1976  
Seneca Co., Utah. North  
slope with mixed  
pinus, juniper,  
sagebrush, and  
ponderosa pine, ca.

33 km. airline northeast  
of Tona, and shortly north  
of Paradise Valley. Twp.  
25 S., R. 4 E., about S. 14  
E. ca. 2350 m.

Plants colonial, spreading  
below ground. Tepals  
dull blue.

*Clematis pseudoalpina* (Kuntze)  
A. Nels.

*Clematis*

(9)

11566 - 8 June, 1976

Senier Co., Utah.

Same place as 11565.

Corolla white

*Androsace septentrionalis* L.  
var. *glandulosa* (Wootton & Standley)

St. John

*Androsace*

(4)

11567. 30 April, 1977.

Clinton Co., New York

On limestone substrate  
in mixed hardwood  
forest ca. 4 km. north-  
west of Sciota, Elev. ca.

100+ m. Tepals most  
commonly 6, sometimes  
8

*Hepatica acutiloba* (2)

11568 - 30 April, 1977.

Clinton Co., NY.

Same place as 11567.

Petals white or pinkish,  
with deeper pink

guidelines

*Claytonia caroliniana* (2)

11569 30 April, 1977  
Clinton Co., N.Y.

Same place as ~~11560~~

11568. Leaves not yet  
fully unfolded,  
slightly paler beneath  
than above. Flowers  
nodding. Tepals loose,  
scarcely divergent,  
bright yellow.

*Utricularia grandiflora* (2)

11570 + 11571 -

Amelanchier from  
Uterica + hule -

May - recorded





1572 - 22 May, 1977  
Clinton Co., N.Y. In fairly  
moist, shady places in  
mixed hardwood and  
coniferous forest, on  
limestone substrate,  
about 4.5 km. northwest  
of Bristol, Elev. ca. 100 m.  
Plants abundant, but many  
not blooming. Flowers  
short-lived, light greenish-  
yellow, in a determinate  
cyme of 2-6 (the central ones  
blooming first), sometimes an  
additional pair of later blooming  
flowers present below the cyme.

Clintonia (2)

11573 5 June 1972

Franklin Co., Mass.

In second growth mixed  
deciduous woods ca

1/2 mi. northwest of

Keeper Pond, Town of

Wendell. Elev. ca 350 m.

Shr, slender, ascending

about 4-12 dm. tall

flowers white.

1

*Viburnum cuneifolium* (3)

11574 - 14 June, 1977

Cumberland Co., Pa.

In oak woods on granitic  
substrate ~~in~~ in Mountain  
Creek valley, near South  
Mountain, ca 5 km.

Southwest of Pine Grove

Furnace ca 25 km. <sup>NE</sup> of

Southwest of Parkersburg, <sup>W. Va.</sup> ca 300

Shrubs: 1-2 m. high. Young

Twigs glaucous. Leaves

soft, the lower surface

pale and dotted

with small, yellow glands.

Flowers whitish.

*Gaylussacia frardora* (3)

11575 - 15 June, 1977

Perry Co., Pa. In  
mixed deciduous forest  
on stony, granitic slope  
ca 20 km southwest of  
New Germantown  
Elev. ca 400 m.

Slender, bare, simple-  
-trunked shrubs 2-2.5  
m tall. Stems mostly  
4, sometimes 5

Her?

(3)

11576 - 15 June, 1972

Centre Co., Pa. In open

hemlock-hardwood  
forest on a siliceous  
substrate, ca. 0.5 km. southwest  
of Rae Valley campground,  
Bald Eagle State Forest,  
on Long Mountain.  
Elev. ca. 400 m.

89.6

*Paricum latifolium* (3)

11577 15 June, 1977  
Same place as 11576.

*Parisicum dichotomum* (3)

11578 - 12 Sept. 1977

Clinton Co., N.Y. Grassy  
swale along an old road-  
road in mixed deciduous  
forest and brushy forest.

on limestone substrate  
ca 4 km. northwest of  
Escola. Elev. ca 100 m.  
Fls. annual, lat.  
Corolla lobes pale  
lavender with deeper  
purple guide lines. The  
lower lip with a yellowish  
central area and three  
yellow spots at the base.

*Euphrasia officinalis* L. ✓

*Euphrasia officinalis* (3)

11579 - 21 June 1978

Emery Co., Utah  
Rocky, moist facing slope  
below massive sandstone  
cliffs at the confluence of  
Tombigbee River with  
Cockhorn Wash, ca 30  
km. east of Little Dale.  
Twp. 19S., R. 11E., S. 18.

Elev. ca. 1650 m. Plants  
evidently perennial, possibly  
creeping below ground but  
no direct connections seen.  
Ray/lemma-yellow, 7-11,  
mostly 9. Disk light yellow.

*Gaillardia spathulata* A. Gray

*Gaillardia* (4) 11579



11580 - 21 June, 1978.

Emery Co., Utah. Rocky,  
west-facing slope beneath  
massive sandstone cliffs in  
Beckhorn Wash, ca 10  
km. above its confluence  
with the San Rafael River,  
and ca. 30 km. east of Castle  
Dale. Twp 19S., R. 11E., S  
29. Elev. ca 1600-1650 m.

Freely branched, rounded  
shrubs 4-7 dm tall. Rays  
less than 1 cm long, 5-12 in  
number, lemon yellow. Disk  
orange-yellow.

*Encelia frutescens* A. Gray

*Encelia* (10) 2224

11581 - 21 June, 1973, Piute Co.,  
Utah. On a dry, very sandy  
knoll at the confluence of  
Pine Canyon with Cold Can-  
yon. Shortly above Buck-  
horn Wash ca. 40 km.  
East-southeast of Castle  
Lake. Twp. ~~20S.~~ 20S.,  
R. 11E., S. 2. Elev. ca.  
1600 m. Plants creeping  
below the ground. Plants  
with deep-seated creeping  
roots. Corolla white.  
Anthers bright yellow.  
*Dalea flavescens* ✓  
(S. Watson) Watsch  
Det R. Barneby, 1997

June 21 June 1978.  
Emery Co., Utah.

Same place as 11561  
~~Stems clustered on a~~  
~~rather~~ Stems (1-) several  
on a rather slender  
taproot. Flowers white.

*Cryptantha cinerea* (Greene)  
Cronq. var. *cinerea*  
(*C. jamesii*)

*Cryptantha jamesii* (L)

1933 - 21 June. 1938, ✓  
Canyon Co. Utah. In deep  
sand along the creek in  
Wolf Canyon, a tributary  
of Buckhorn Wash,  
ca. 40 km. east-southeast  
of Castle Dale. Twp. 20 S.,  
R. 11 E., S. 2. Elev. ca.

1600 m. Plants top-  
rooted, perennial;  
no sign of caudex.  
Flowers bright purple  
or pink-purple.

*Cirsium pulchellum*  
(Greene) Wootton & Standley ✓

*Cirsium* 3 sheet 1,  
3 sheet 2

July - 21 June, 1955  
Sagebrush, Utah - on  
moist, sandy, rocky  
soil in half canyon, a  
tributary of Buckhorn  
Wash, ca 40 km. east -  
southeast of Castle Dale.

Top of S. R. 11 E., S. 2.

Elev. ca. ~~1650 m~~ 1650 m.

Stems clustered on a  
tapered and branching  
caudex. Flowers rather  
light yellow, mostly  
15-30 per head.

*Hymenocallis filifolia* Hook.

var. *Cinereus* (Rydb.)

I. M. Johnston

*Hymenocallis* sp.

(10)

11583 - 21 June, 1976.  
Emery Co., Utah. Same  
place as 11584. Stems  
numerous, clustered on  
a compact and branching  
caulix, coarse but  
herbaceous essentially  
to the base. Heads yellow.  
Rays 4-6.

*Senecio spartioides* ✓ T. & G.

*Senecio spartioides* (5)

11586- 22 June, 1978.

Emery Co., Utah. Near  
sandy desert ca 4 km  
west of the ~~Flat Top~~ <sup>Little Flat Top</sup>

ca 25 km. northwest of  
Hanksville. ~~Twp. 21N~~

~~Twp.~~ Twp. 26S, R. 13E.,

S. 20. Elev. ca 1600 m.

T represented annual

leaf-stem corolla  
dull white

*Gilia gunnisonii* T. & G.

*Gilia pennsylvanica* (C) 515

#s 11581-11640, 1st to 1778,  
are in another book.



11641. 11 April, 1980.

Page 20. Virginia

East slope of

Massanutten Mt.,

shortly east of New

Market Gap. Understory

tree 6-10m. in mixed

deciduous woods.

Racemes tending to be

2ax, nodding soon after  
the twig is cut.

Petal white

*Amelanchier arborea*  
(Michx.f.) Fern.



*Amelanchier arborea* (2)

11642 - 11 May, 1980.

Franklin Co., Massachusetts, second growth  
mixed hemlock-hardwood  
forest shortly north  
of Ruggles Pond, town  
of Wendell. Arborescent  
shrubs ca 5 m. tall.

Elev. ca 300 m. Leaves

tinted with coppery-red  
Inflorescence lax, soon  
drooping after a twig is

cut. Petals white, 16-20

Ovary glabrous on top.

mm. long. With #s 11643,

*A. arborea*, and 11644, *A.*  
*canadensis*.

*Amelanchier laevis* Wieg.

*Amelanchier laevis* (3) ✓

11643. 11 May, 1950.

Samopanax 11642. Inflores-  
cence axillary, soon drooping  
after a twig is cut.

Petals white, 14-17 mm  
long, ovary glabrous on  
top. With #11642,

*A. laevis*, and 11644,  
*A. canadensis*.

Arborescent shrubs ca. 5  
m tall.

*Amelanchier arborea* (Michx.f.)  
Fern.

*Amelanchier arborea* (Michx.f.)

11644. 11 May 1955.  
Same place as 11642.  
Shrub 2-3 m. tall. Inflorescence  
compact, not  
div. Petals white,  
10-12 mm long, covering  
glabrous calyx.  
Like # 11642, *A. laevis*,  
and 11643, *A. arbutifolia*.

*Amelanchier canadensis*  
(L.) Medic.

*Amelanchier canadensis* (3)

11645 13 June 1950

Mesa County, Colorado.  
With leucolutes and annual  
grasses on rather alkaline  
gentle slopes not far below  
sandstone cliffs at the  
north side of the valley  
of the Colorado River,

Ca 45 km (airline)  
~~miles~~ upstream  
from Grand Junction.

Junction. Twp. 85., R. 97W

Elev. ca. 1500 m. Short-  
lived perennials. Heads  
bright yellow. Rays  
5(-8), 7-17 mm long.

Ca 11 km. upstream (airline)  
from the upper end of DeB cue  
canyon. ✓

*Psilostrophe bakeri* Greene

*Psilostrophe* (10) 239.2

11646 13 June 1970  
Grand Canyon, Utah  
with grassland and  
juniper near crest  
of the ridge, ca. 1 mi.  
S. west of the Colorado-  
Utah border, along  
the highway between  
Grand Junction and  
Green River. Twp. 19S., R. 25E.,  
Elev. ca. ~~1500~~ m. S. 10.  
1450

Tapered ~~perennial~~ perennial.  
Heads numerous, yellow.  
Ray 10-15, 1-2 cm long.

*Viguiera multiflora* (Nutt.)  
S. F. Blake  
*Viguiera* (Nutt.)  
(9)

11647. 14 June, 1980 Twp. 24S.,  
R. 11E.,  
S. 11.

Emery County, Utah.  
Sheltered places among  
sandstone rocks in the right  
fork of the right fork of Pine Canyon, on  
the north edge of the San Rafael Swell.

Elev. ca. 1700 m. Flowers  
distinctly reddish in bud,  
less so at anthesis.

Sepals and spurs faintly  
lavender; petal blades  
white. Only 3 plants  
seen, at widely

scattered intervals in  
this canyon. These materials  
all taken from one plant.  
*Aquilegia micrantha* Eastw.

*Aquilegia*. (2)

---

A. B.

*Wyeleia scabra*,  
At Calif. Springs  
Length 13-17 rays.  
*A. amplexicaulis*,  
Hull River Basin,  
12-25 rays,  
3.5-6 cm. long  
*Arnicia serricaulis*  
8-16, often 13 rays.  
12-20 mm long



11645 20 June 1980

Elko Co., Nev. With sagebrush  
in volcanic ~~area~~ and along foot  
Meadows Creek, shortly above  
its confluence with the  
Arroyo River, about 2.5 km  
on road southeast of  
Mountain City. Elev.  
ca 1800 m. Twp 44 N,  
R. 34 E, S 23.

*Penstemon* with 1-several  
stems. Flowers bright  
blue-lavender.

*Phacelia sericea* (Gray)  
Wats. *Phacelia* *sericea* ✓

*Phacelia sericea* var. (6)

11649. 25 June 1980

~~Elko~~ Elko Co., Nev.

With sagebrush on volcanic  
slopes along Lost  
Meadows Creek. etc.  
as in 11648.

Perennial with a loosely  
branched caudex and  
usually several stems.  
Corolla white to purplish

Pl. in flower (6)

11650 28 June 1980  
Elko Co., Nev. with  
sagebrush in volcanic  
area along Fort Meadows  
Creek - etc. as in 11650

*Hackelia patens*  
(Nutt.) I. M. Johnston

Perennial with usually  
2- several ascending stems.  
Corolla white, throat with  
a pair of blue spots at the base

*Hackelia patens* (2)

11651 - 20 June, 1980  
Elko Co., Nev.  
Same place as 11649

Inticately branched  
shrub 1-2 m tall.  
Petals white, 7-9mm long

*Amelanchier utahensis*

Koehne

✓  
*Amelanchier utah* (5)

52 20 June, 1980  
Elko Co., Nev., with

*Artemisia arbuscula* on low,  
stony (quartzite and dark  
igneous) clay ridge in  
Bull Run Basin, east of  
the reservoir, about 24  
km airline southwest of  
Mountain City. Twp 43 N.,  
R. 52 E., S 10. Elev. ca  
1900 m. ~~Heads~~ Heads  
bright yellow.

*Erigeron bloomeri* A Gray  
var. *bloomeri*

*Erigeron bloomeri* (6)

11653 - 20 June 1950  
Elko Co., Nev. Same  
~~place as~~ place as

11652. Bracts and  
corolla light  
greenish.

*Castilleja pallens*  
var. *inverta* (Nels. & Macbr.)  
Edwin

J. H. H. Holmgren



*Castilleja*

(8)

11654 - 20 June, 1980

Elko Co., Nev. With  
*Wyethia amplexicaulis* and  
*Artemisia arbuscula*  
on stony (quartzitic and  
dark igneous) clay slopes  
overlooking Bull Run  
Reservoir from the south-  
east. Bull Run Basin,  
about 24 km air line  
southwest of Mountain  
City. Twp. 33 N., R. 52 E.,  
S. 10. Elev. ca 1900 m.  
l = larvae yellow



*Lomatium coul.* (S. Wats.) Coul. & Rose

coul. type  
carrot



Rose  
wide  
bracts

11655 20 June, 1980,  
Elko Co. Nev. Same place  
as 11654. Flowers  
yellow.

*Lomatium leptocarpum* ✓  
(T. & G.) Coulter & Rose

canad. - mon. h. (3)



11656 - 20 June, 1980.

Same place as 11652.

Flowers yellow. Growing  
with #11657,

*C. modocensis* Greene,  
but apparently distinct

*Crepis occidentalis* Nutt.  
var. *occidentalis*



*Crepis - bolus* (7)

11457 - 20 June 1980

Elko Co. Nev.

Same place as 11652.

~~Fls~~ Flowers yellow.

Growing with #

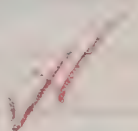
11656, *C. occidentalis*

Nutt.

, but  
apparently distinct.

*Crepis modocensis* Greene

Var. *modocensis*



*Crepis dimorpha* (3)

11658 20 June, 1980  
Elko Co., Nev. With  
*Artemisia arbuscula* on  
low, stony ridge south  
of Bull Run Basin, ca  
33 km aerial south-  
west of Mountain City,  
Twp. 43 N., ~~R.~~ R. 52 E.,  
S. 28. Elev. ca 1850 m.  
Ray (23-) 27-37, often  
34, white to lavender.

*Erigeron nevadensis* Blake

*Erigeron nevadensis*

11659 ~~27051~~

21 Jun. 1980 - Elko Co., Nev.  
with sagebrush on rocky,  
volcanic soil on a low  
ridge about ~~10~~<sup>8 or 9 km</sup> south-  
west of ~~Tuscarora~~  
Tuscarora and 58 road  
km. east of Midas. Twp 39 N.,  
R. 5 E. about S. 28. Elev.  
ca 1800 m. Corolla tube  
purple, the lips (or only  
the upper lip) blue.

*Penstemon kingii* S. Wats. ✓  
det N. H. Holmgren

Plusleiman (10) 478.0 cm  
Flower 478.0 cm

11660 - 21 June, 1980.

Elko Co., Nev. Same place as

11659. Stems clustered,  
loosely ascending.

Flowers ochroleucous.

*Astragalus curvicaarpus*

(A. A. Heller) J. E. Macbride

var. *curvicaarpus*

det. R. C. Barneby

*Astragalus* (det. 10)

11651 21 June 1960  
Elko Co., Nev. Same  
place as 11649. Flowers  
nearly prostrate,  
only the tips  
erect. Flowers  
lavender.

*Astragalus iodanthus* S. Wats.  
det R. C. Barneby

*Astragalus iodanthus* (S. Wats.)  
R. C. Barneby

11662. 21 June, 1980. Echo  
Co., Nev. With sagebrush  
in light soil in dry  
hottomlands along  
a dry wash (William  
Creek) <sup>tributary to</sup> in the desert  
ca. 20 km. ~~Anten~~ air line sw.  
of Tropicana and 30+ <sup>km</sup> <sub>N</sub> E. of Midas.  
Temp. 38 on 3rd. R. ~~49~~ 49 E.

Plants colonial, rather  
loose-seated cespitose.  
Flowers lavender.

492-0

(4)

11663 - 21 June 1960.  
Elko Co., Nev. on  
stony, quartzitic ~~south~~  
south slope with  
little sagebrush, along a  
dry tributary to  
William Creek, ca 20 km  
airline southwest of Tuscar-  
ora, and 30+ km e. of Mids.  
Elev. 1700 m.  
Twp. 39 N., R. 49 E., S. 35.

*Penstemon humilis* Nutt. ex  
A. Gray  
det. N. H. Holmgren

4970  
*Penstemon* ⑩



11664 21 June, 1980

Humboldt Co., Nev.

with sagebrush and  
Atriplex in sandy clay  
soil in the desert ca.

30 km. airline  
northwest of Yalconda,  
Twp. 37 N., R. 43 E.,  
about S. 4.

Elev. ca 1400 m.

Flowers white.

Stems mostly  
ascending to suberect.  
(Ca 10 km. east of the aspen woods)

*Camissonia clavaeformis* (Torr. &  
Frem.) Raven, var. *integrifolia* (Raven)

*Chrysemum* (10)

11665 21 June, 1980  
Humboldt Co., Nev.  
Same place as 11664.  
Petals white.

*Camissonia boothii* (Dougl.)  
Raven  
var. *Villosa* (S. Wats.)  
(= subsp. *elyssoides*)

✓✓

*Antennaria* (2)

11666-21 June, 1980

Humboldt Co., Mex.

Same place as 11664.

Pale minute, white

*Camissonia minor*

(A. Nels. Raven)



acrotene (D)

11667 22 June, 1980

Pershing Co., Nevada.

With ~~gum~~ juniper and  
sagebrush on rhyolitic  
east slope of the West  
Humboldt Mts., ca 13 km.  
airline east of Carlsbad,  
Twp. 28 N., R. 34 E., S. 4.

Elev. 1800 m.

Flowers blue

*Penstemon speciosus*

Ouagl. ex Lindl.

det. N. H. Holmgren

*Penstemon speciosus* (4)

11668 - 22 June 1980

Pershing Co., Nevada.

Same place as 11667. Plants  
perennial, with (1-) several  
or rather many loosely  
curved ascending to  
erect stems. Corolla  
small, salverform, white  
with a yellow eye. The  
limbs 7-8 mm wide, or  
smaller on later flowers.

Yucca strongly roughened on both  
sides, the scar narrow.

Virtually glabrous except near the  
base. The margins not ciliate.

*Cryptantha* *splendens*  
(Piper) Pavlov

*Cryptantha* *splendens*  
name (10)

11669 22 June, 1980  
Pershing Co., Nev. Edge  
of the ~~rock~~ Canyon wall,  
in rhyolitic porphyry soil,  
along Buena Vista Creek  
in the West Humboldt  
Mts. 1+ km. above  
Unionville. Twp 30N,  
R. 34E., 528 or 29. Elev.  
ca 1600 m. Stems  
several from a woody  
root. Flowers maroon,  
staminate maroon, rounded,  
little longer than wide.  
*Scrophularia desertorum*  
(Munz) Chase

*Scrophularia* (4) ✓

~~11770~~ 11670 13 Jan. 1950

Pershing Co., ~~142~~ Nev.  
Sagebrush-juniper slope  
on rhyolite - porphyry  
substrate along  
Buena Vista Creek,  
Thrust Humboldt

Mts. above Unionville.  
Twp. 30 N., R. 34 E., S. 20.

Elev. 1800 m. Intricately  
branched, broad, leaved  
shrubs up to about 1 m  
tall. Flowers pinkish,  
held beneath the twigs.

*Symphoricarpos oreophilus*  
*parishii* (Rydb.) Cronq. ✓

*Symphoricarpos* 7

11671 22 June, 1960  
Pershing Co., Nevada  
Same place as 11670.  
Hds yellow. Rays  
mostly 8, seldom 7  
or 9, mostly 11-17  
mm long.

*Eriophyllum lanatum* (Pursh)  
Forbes  
var. *integrifolium* (Hook.)  
✓ *Wiley*

*Eriophyllum* l. (18)



11 572 - 26 June 1980  
Mono Co., Calif.

In sandy, pebbly soil  
with sagebrush and  
scattered Jeffrey Pine  
on the north side of  
Devil's Gate Pass,  
south end of the  
Sierra Nevada Mts.

(of granitic origin)

Slender, erect caudex 23 cm.  
Flowers open or just fading  
the day. Corolla salmoniform  
the slender tube yellowish,  
12-15 ~~mm~~ mm long,  
the lobes 3-3.5 mm long,  
pink-lavender, with a  
darker spot just above the  
filament. ↓ to next page

yellowish leaves

*Linanthus bicolor* (Nutt.)  
Greene

*Linanthus* (10)

11673 - 26 June 1980.  
Mono Co., Calif. Same place  
as 11672, but at a  
elev. 2300 m.  
Plants mesophytic.  
Corolla deep blue.  
Antheriform. Salverform,  
the lobes 2 mm long.



*Gilia gilvica* (Benth.)  
Greene  
var. *violacea* (A.A. Heller) Cronq.

*Gilia* 9 var. *violacea* (10)

11674. 1 July, 1980  
Inyo Co., Calif.  
Pinyon-juniper woodland  
at the south end of the  
White Mts., ca 7 km. by  
road north of Westgard  
Pass.

Elev. ca 2500m.

Flowers lavender, openly  
salverform - campanulate.  
Seeds 4

✓  
*Phacelia vallis-mortae* Woot.

---

11675  
*Phacelia vallis-mortae* (7)

11675 1 July, 1950

Inyo Co, Calif.

Pinyon-juniper woodland  
at the south end of the  
White Mts., ca. 6 km by road  
north of Westgard Pass.  
Elev. ca. 2250 m.

Heads yellow.

*Hymenopappus filifolius* Hook  
var. *nanus* (Rydb.) Turner

*Hymenopappus* f. (L) 11675

11676 (July 1980)

Inyo Co., Calif.

shale outcrop in

pinon-juniper woods at  
the south end of the  
White Mts., ca. 6 km. by  
road north of Westgard  
Pass.

Elev. ca. 2250m.

Leaves and stems  
strongly blue-glaucous.  
Inflorescence somewhat  
secund. Corolla rich  
pink-purple, very showy.

*Penstemon floridus* T.S. Brandegee  
var. *floridus*

det. N. H. Holmgren

*Penstemon*

(3)

11677 1 July, 1980

Inyo Co., Calif.

Same place as 11675,

Flowers white

*Camissonia boothii*

(Dougl.) Raven

var. *desertorum* (Munz) ✓

*Camissonia*

(4)

11675 1 July. ~~1930~~  
- at same place as 11675  
- flowers bright  
blue-lavender.

*Penstemon scapoideus*

Keck

det. H. H. Holmgren

*Penstemon* (6)



11679 July 1950  
Inyo Co., Calif.

Same place as 11675.  
Foliage blue green.  
Blossoms pink-purple;  
wings white; seed  
pale purplish. Pods  
reddish-mottled.

*Astragalus oophorus* S. Wats  
var. *oophorus*  
det. R. C. Barneby

*Astragalus* ~~III~~ (11)

1620 July 1933  
Inyo Co., Calif.  
Same place as 11-25.  
Leaves green.  
Petals white; anthers  
dark purple.

*Cymopterus aboriginum* ✓  
M. E. Jones

*Cymopterus* (3) ✓

11681 July 1984  
Inyo Co., Calif.

with *Artemisia tridentata*  
in piñon-juniper woodland  
at the south end of the  
White Mts., ca 6 km by  
road north of Westgard  
Pass.

Elev. ca. 2350 m.  
Bracts bright red.

*Castilleja chromosa* A. Nels.  
det. N. H. Holmgren

*Castilleja* (3)

11682 - 1 July, 1980

Twp. Co. July. Shrubland  
on north-facing  
basaltic cliffs along  
the canyon ca 9 km east  
of Westgard Pass, at the  
S. end of the 2000 m.  
Tapered perennial with  
dense, many-leafed  
erect branched stems  
arising from the base.  
Flowers white.

Elev. 1800 m.

*Holmilobus diffusa* var.

*jaegeri* (Munz) Rollins

det. P.K. Holmgren

mustard (2)

~~1923~~ 1923 July 1901  
In the Ca. Co. N. Fl. City  
bottom in basaltic canyon  
ca 9 km. east of Westgard  
Pass, at the south end of  
the White Mts. Elev. 1800 m.  
Intricately branched plants  
with several or many  
stems from a taproot.  
Flowers 5 (6) sepals,  
soon becoming searled.

*Stephanomeria tenuifolia*  
(Torr.) Hall

✓

*Stephanomeria* ①

11/6/80 July, 1980


Essex, Co. N.H.

With Atriplex spp. in  
sandy, pebbly soil on west  
slope of valley ~~to~~ opposite  
and east of the White  
Mts., toward the north  
end, ca 25 km <sup>South</sup> west of  
Coaldale.

Elv. ca 1600 m.

Stems several and stout  
taproot, suberect. Petals  
pink-lavender to white.

*Sphaeralcea ambigua* A. Gray  
var. *monticola* (Kearney)

*Sphaeralcea*  23.7 at  
1000 m

11605 July 1950  
Sonoma Co., Cal.  
Lompoc area 639,  
Corolla minute,  
pale lavender, Plants  
annual

*Tiquilia nuttallii*  
(Gray) A. N. S. P.



*Tiquilia* (C) nuttallii

11634 - 2 July, 1980  
Pope Co., Tenn. With  
a few scattered pines and  
junipers on buffaloes  
~~the~~ heavy clay ridge  
at the east side of Big  
Branch Valley, ca 2 km.  
south of Round Mountain,  
and across the valley from  
Mahogany Mountain, ca 70 km.  
by road northeast of Tongue  
Twp. T. & R. 44S, S. 51  
Elev. ca. 1900 m.

*Astragalus beckwithii* T. & G.

var. *purpureus* M. E. Jones

det R. C. Barneby

✓  
*Astragalus*





1987 - 2 July 1985.

Nye Co., Nevada. With *Atriplex*

spp on rather barren, tuffac-

eous clay slope at east  
side of Big Smoky Valley

— continued in 1986.

A few scattered plants.

Annual. Heads yellow.

Fls. in 4's heads —

Number 31, 27, 21, 36.

Raylets 7 mm long, 8 mm  
wide.

*Baileya planifolia*

Harney & A. Gray

*Baileya* 2

1855 2 July, 1850.

Nye Co., Nevada.

Same place as 1857.

Plants small. Herbage white

*Chaenactis stevisides*  
Hook. & Arn.

✓

✓

*Chaenactis* (3)

11639 - 3 July, 1980

White Pine Co., Nev.

Rocky (limestone) north  
slope, with piñon,  
juniper, Cercocarpus, and  
sagebrush, overlooking  
Timber Creek just down-  
stream from the forest  
camp. Schell Creek Mts.,  
east of Mc Gill. Twp 16 S., R.  
65 E. Elev. ca 2500m.

Plants short-lived, but flower-  
ing at least twice. Leaves  
strongly glaucous. Inflores-  
cence not ascending. Flowers  
blue.

det. N. H. Holm

*Penstemon pachyphyllus*  
var. *congestus* (M. E. Jones) N. H. Holm

*Penstemon* (6) grey

11690. 3 July, 1980,  
White Pine Co., Nev.  
Same place as 11689.

*Physaria chamberii*  
Rollins ✓

*Physaria* ③

11691 3 July, 1982.

White Pine Co. Nev.

Same place as 11689.

*Penstemon eatonii* A. Gray

var. *eatonii*

det. M. H. Holmgren

✓

✓

*Penstemon* (2)

11692 3 July 1955  
White Pine Co., Nev.  
Same place as 11689.  
uprounding low shrub  
top to about 1 m. tall  
t. lvs. pinkish,  
more strongly so in  
late bud.



*Symphoricarpos oreocarpus*  
var. *utahensis* (Rydb.) A. Nels.

*Symphoricarpos* (4)

3 July, 1980

White Pine Co., Nevada

In pinon - juniper -  
- *Cercocarpus arborescens*  
on granitic substrate  
at south side of  
Schellbourne Pass, in the  
~~sch~~ Schell Creek Range,  
ca. 60 km. north of Ely.

Twp. 12 S., R. 65 E.,  
about S. 8. Elev.

ca. 2300 m. Stems  
loosely clustered and  
branching, fibrous - rooted  
erect; no basal leaves. Flowers  
blue.

*Penstemon*  
*watsonii* A. Gray  
det. N. H. Holmgren

*Penstemon* sp. *watsonii* (7)

11694 3 July. 1900  
White Pine Co., Nevada.  
Same place as 11693.  
Rays white, (20-) 26-44  
(-48).

*Erigeron jonesii* Cronq. ✓

*Erigeron strigosus* (L.) Cronq.



11694 - 3 July, 1980  
White Pine Co., Nevada

Same place as 11693.

Inflorescence secund,  
Flowers blue

*Penstemon speciosus* Dougl.  
ex Lindl.

det. N. H. Holmgren



*Penstemon* s. strictus (L.)

11696 - 16 July, 1980

Harney Co. Oregon. Common  
just between highway and  
irrigated hay-meadow  
in the lava plains ca

4.3 km ~~←~~ W. of Burns and  
2. km S. of Riley

Alt. ca 1250 m.

Corolla bright blue.  
- lavender. The lower lip  
with 2 large, golden,  
white-margined spots.

*Portulaca*

(10)

11697 16 July 1980.

Harney Co., Oregon.

Same place as 11696.

Stems white;

leaves revinate.

rather narrowly along  
the tip, rounded subtruncate  
to slightly emarginate,

*Navarretia minima* Nutt.

*Navarretia minima* (12).

11693 16 July 1953  
Harney Co., Oregon  
Gravelly slope of  
barren pit -  
as in 11696.

*Psilocarphus brevissimus*  
Nutt.

✓  
✓

*Psilocarphus* (3)

11699 - 16 July 1950

Harney Co., Oregon

Same place as 11696.

*Carabla minuta*, white.

Plants loosely

erect - ascending.

*Plagiobothrys Seculenti*

(Hook. + Arn.) T. W. Johnston

var. *pedunculatus* (Greene)

Cronq.

*Plagiob. s. minor* (G.)

*Penstemon Palmeri* as  
an occasional roadside weed  
along steep slopes between  
Twin Falls & Blaine, Idaho.

*Thymus* *multiflorus*  
in narrow beds between  
Blackfoot & Idaho Falls

*Leucis* off the road  
along field & roadside  
at Blaine. Leaves pale,  
with cordate lobes  
and 2-3 mm. wide,  
Corolla 4 mm. <sup>4.5</sup> including the  
1.5 mm. spur (nearly 2 mm.)

11700. 12 July, 1980.  
Harney Co., Oregon.

Same place as 11696.

Plants tending to be  
stoloniferous. Corolla  
tub 9-10 mm wide,  
white with a yellow  
eye.

*Plagiobothrys mollis*  
(A. Gray) I. M. Johnston

*Plagiobothrys mollis* (A. Gray) I. M. Johnston

11731 16 July. 1980

~~Long~~ ~~Thurman~~ Co., Oregon.

Indigenous ~~and~~ cracking

clay at the margin of

a roadside pond in

scrubland desert on the

Great Plains ca 55 km.

west of Riley, 11.5 km.

east of the 106° line

Elev. ca 1330 m.

Flowers bright

golden yellow

*Orthocarpus campestris*  
Benth.

det. H. H. Holmgren ✓

*Orthocarpus* ✓



20 July 1951  
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30 Dec 1951  
31 Dec 1951

Monday 1st July

80 miles at 100 mph

7.0 - 7.15 at 100 mph

Tuesday 2nd July

80 miles at 100 mph

7.0 - 7.15 at 100 mph  
18.0 miles at 100 mph

Wed 3rd July

80 miles at 100 mph

7.0 - 7.15 at 100 mph

19.4 miles at 100 mph

Thurs 4th July

80 miles at 100 mph

17.5 miles at 100 mph

15 miles at 100 mph

exception north  
to western & little  
Schmidt

North edge aligns,  
westward, with  
a ledge north to the  
middle of the block that  
is to the north of the  
block.

Allen Highway  
aligns as follows with the

C. A. Steele,

Care of Board of Health, Wash.

Disinfectant

Revised

Order Book

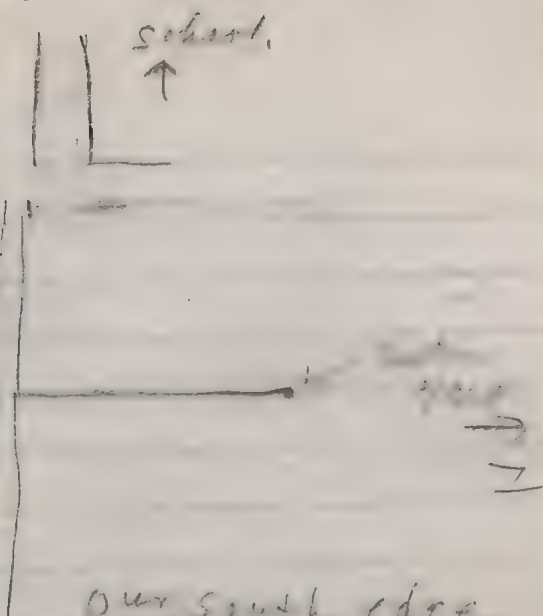
Wash. D. C. 1 - 111

1/15

245 - 1001 - 1/15

1/15 - 1/15 - 2

1/15



Our south side  
aligns with the  
south edge of the  
Street - that runs  
~~by the~~ by the  
south of school.

13 N. 8 E 5 31

N 1/2 SE 1/4

208 459 5011

College of Idaho

I. [unclear] 8017 7/1/11

1/1/11 80133

1/1/11 80133

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South Island Co.  
Hickory St. No. 10 to  
Kearney

Franklin

202-389-6434

✓ J. B. Simmons

Executive

Mr. A. L. C.

Executive Assistant Party

TWG 3AB

England

Woodward Station

450.3 at 1000 ft

83441.1 2152. Jan 2 1955

449.9 at 1000 ft

476.6 at 1000 ft

7 <sup>139</sup>N 1000 ft

1800 m.

W C Dan 449.9

Midas 83512.75

W C Dan 83581.12.8 900

Love 22 June 83657

2000 ft

Panama 81.6

87.4 turn north

Reno 83711.12.8

Friday, 22 83821.12.8

Reno 24 Nov. 83865

Reno - 26 Nov. 83867

1977 1980



Allium roseae

clustered, bulbs deep  
(~~4~~ 1 up to 4").

fls pink (rarely albino)

A. Similimum

single - bulbs just  
below surface. fls white  
at higher alt. but  
at lower alt. there  
are mixed pink & white  
& wholly pink populations.  
4145 at Maggie Summit.

15 June

82568 - 3 mi. at Salina

16 June

82773 - RLC

Zello's office phone

581-8836

581-8836

17 June

82887 - 20 mi. at Salina

19 June

82771

83075

13.2 mi. at Salina 82875

12.2 EKO 309

20 June - near Mt. City 53383,

8.6 gal 5900 feet.

Inasmuch as I wrote an  
unfavorable review of  
Karl's earlier compilation  
of lists of endangered  
species, I should point out  
that I find the ~~new~~ checklist  
to be a very respectable job.  
~~My initial decision was~~  
~~negative for me~~ There are  
inherently many debatable  
items, but the overall  
performance is commendable.

21 June 1918

2403.5 of 1st 10 of

Goldilocks

529.2 at 1st 10 of 11

1000.0 of 1st 10 of 11

22 June

446.0 at 1st 10 of 11

1000.0 of 1st 10 of 11

446.0 at 1st 10 of 11

446.0 at 1st 10 of 11

446.0 at 1st 10 of 11

446.0 at 1st 10 of 11

446.0 at 1st 10 of 11

446.0 at 1st 10 of 11

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446.0 at 1st 10 of 11

8 June 1972, 7700 at ...  
...  
...  
...

9 June 1972 at ...  
19.8 ...  
13.3 at 80711

10 June 8000 at Atkinson Dk.  
18.2 gal. at 81313  
15.5 gal at 81319

11 June 81419 at Kennedy, N.S.  
17.2 at 81607

12 June 81811 at ...  
... 81812

13- June 82056 at ...

14 June 82426  
at Eagle Canyon.  
San Rafael 2nd

$$\frac{57}{2}$$

$$28\frac{1}{2}$$

$$\frac{1}{2}$$

$$\frac{65}{2}$$

$$32\frac{1}{2}$$

046-304

2000-2001

4000-4001

4000-4001

2000-2001

2000-2001

2000-2001

2000-2001

2000-2001

2000-2001

2000-2001

2000-2001

Wavelength 7000 Å

Light source: Tungsten

Filter: 1000 Å

Filter: 1000 Å



1000 Å



914-694-1622

Hank Klein.

29 May

found in box

Archie  
Cronquist

10 of 75

7 June.

22 S., 8 E

6	5
7	8

6	5	4	3	2	1
7	8	9	10	11	12
15	17	16	15	14	13
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345 576

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115  
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 20-21  
 59.2

37 17E  
 38  
 38 115, 17E  
 41 21 | 22  
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 52 49  
 46

Mars 31 Mars 12

